

# HoloView

*Transparent rear screen.*

*You've never seen an image like this before.*

The HoloView rear screen stops prospective customers in their tracks. Grab the spotlight at trade shows, in showrooms, shopping malls and any retail environment. Cast a dramatic visual image in museums, banks, entertainment venues—anywhere you need to catch your audience's eye.

A HoloView screen consists of transparent ¼" acrylic. See a clear image—and see through the screen—at the same time.

For the most dramatic visual images, the HoloView should be suspended from wires or cables so the projected image appears to float in space. Aluminum grip strips are provided at top and bottom for this purpose. Compatible with any single lens projector with digital keystone correction. Projector can be placed above or below the plane of the screen. HoloView rejects incident light, so you don't have to enclose the projection area—you can even hang this screen in a store window!



*Dantanna's Surf & Turf Restaurant, Atlanta, GA. Photo courtesy of Communications & Entertainment Inc. (CEI).*

## Dimensions & Data—HoloView

Nominal Diagonal	Image Area <sup>1</sup> H x W	Overall Size <sup>2</sup>	Net Wt. (lbs.)
<b>NTSC Video Format (4:3)</b>			
40"	20½" x 33¾"	23⅝" x 33¾"	9
46"	24⅝" x 38⅝"	27¾" x 38⅝"	10
50"	26⅞" x 42⅜"	30" x 42⅜"	11
60"	33⅜" x 50⅜"	36¼" x 50⅜"	15
67"	37⅜" x 55⅞"	40½" x 55⅞"	19
72"	40⅞" x 60"	43¼" x 60"	21
84"	47¼" x 69¾"	50⅜" x 69¾"	29
90" <sup>3</sup>	50⅞" x 74⅜"	54" x 74⅜"	33
96" <sup>3</sup>	53⅝" x 80"	56¾" x 80"	37
100" <sup>3</sup>	56⅜" x 84¼"	59½" x 84¼"	41
110" <sup>3</sup>	60½" x 92⅝"	63⅝" x 92⅝"	45
120" <sup>3</sup>	66⅞" x 100⅞"	70" x 100⅞"	49

<sup>1</sup>With aluminum grip strips at top and bottom of screen. Grip strips also available on left and right sides through 84" diagonal.

<sup>2</sup>Aluminum grip strips will add ⅛" to relevant dimension.

<sup>3</sup>Large Screen Mounting Frame at top of screen; grip strip at bottom. Draper recommends framing 90" diagonal screens and larger to prevent bowing.

## Dimensions & Data—DiamondScreen

Nominal Diagonal	Image Area* H x W	Overall Size	Net Wt. (lbs.)
<b>NTSC Video Format (4:3)</b>			
60"	36" x 48"	37" x 49"	16
67"	40¼" x 53⅝"	41¼" x 54⅝"	18
72"	43¼" x 57⅝"	44¼" x 58⅝"	20
84"	50½" x 67¼"	51½" x 68¼"	27
90"	54" x 72"	55" x 73"	31
96"	57⅝" x 76⅞"	58⅝" x 77⅞"	44
100"	60" x 80"	61" x 81"	46
120"	72" x 96"	73" x 97"	66
125"	74¾" x 99¾"	75¾" x 100¾"	71
140" <sup>1</sup>	84⅜" x 112⅜"	85⅜" x 113⅜"	128
150" <sup>1</sup>	90⅜" x 120⅜"	91⅜" x 121⅜"	146
160" <sup>1</sup>	96⅜" x 128⅜"	97⅜" x 129⅜"	165
170" <sup>2</sup>	101¾" x 135¾"	103¼" x 137¼"	238
180" <sup>2</sup>	107¾" x 143¾"	109¼" x 145¼"	244
190" <sup>2</sup>	113¾" x 151¾"	115¼" x 153¼"	263
200" <sup>2</sup>	118½" x 158½"	120" x 160"	269

\* Image area listed is typical, and choice of framing may cause a variation.

<sup>1</sup>These sizes require factory installed System 200 frame or System 400 frame.

<sup>2</sup>These sizes require Large Screen System Frame (not factory installed).

## Large Sizes

The HoloView is available in sizes through 120" diagonal. All sizes are single element, without seams or visible lens pattern.

## System Options

- **Aluminum grip strips**—Standard at top and bottom for free-hanging installation. Also available on left and right, or with in-wall Cineframe (see page 47).
- **Standard screen orientation**—Horizontal (landscape). May also be hung vertically (portrait position).

## Specifications—HoloView

Draper HoloView rear projection screens, size \_\_\_\_\_, ¼" thickness, with mounting holes and anodized aluminum grip strips standardly provided at top and bottom (optional: on right and left sides). Screen shall be provided with universal and adjustable hanging feature, including 16-gauge nylon-coated steel cable, with tensile strength 330 lbs. and break point of 1500 lbs., allowing easy installation with standard tools.

One-piece acrylic material to be 64% transparent, to allow for look-through ability. Screen gain shall be 4.0. Screen shall be compatible with all single-lens projectors with digital keystone correction. Optical medium in matrix shall accept projected light at any angle up to 36° perpendicular. HoloView shall have horizontal half-gain angle of 28° and a vertical half gain angle of 22°. Patent pending.

## Specifications—DiamondScreen

Rear projection screens to be Draper DiamondScreen, size \_\_\_\_\_, Material to be cast acrylic, one-piece, not to exceed ¼" in thickness, with special patented lens design. Rear (projector) side of screen to be a Fresnel lens, pitch 0.1mm, serving to refract projected light directly toward audience. Light diffusion agents permanently embedded in screen matrix to be tinted with Draper High Contrast tint to enhance color contrast. Diffusion agents shall also control vertical light distribution. Front (audience) side to be an ultra-fine linear lens, providing maximum light distribution over a horizontal plane of 180°. Front lenses of screen to be treated with a special anti-reflectance coating, which shall control glare without interfering with the projected image. Screen gain to be 3.5 ± 0.3 on axis. Horizontal half gain angle to be not less than 32° from projection axis. Vertical half gain angle to be ±10° from projection axis. Entire screen shall be UL94HB flame class approved.

**Options:** Factory installed anodized aluminum Cineframe in (System 100/200) style and (black/clear anodized) finish or in System 400 in black finish. (Screens 140" through 160" diagonal require System 200 or 400 factory-installed frame to facilitate safe handling. Screens 170" diagonal and larger require Large Screen System Frame, not factory installed).